

Amos Horne

Cybersecurity & Development

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SUMMARY

Cybersecurity student at Seattle University and fullstack developer, after completing Running Start with an Associate of Arts and Sciences from Bellevue College. Self-taught across web development, systems administration, and security tooling — with hands-on experience deploying infrastructure, building CLI tools, and training AI models on local hardware.

PROJECTS

D2D — WebRTC P2P File Sharing

Cross-device file sharing over WebRTC with an ECDH → AES-GCM encryption pipeline and Socket.IO relay fallback for NAT traversal.
[WebRTC] [Web Crypto API] [Next.js] [Socket.IO]

Floret — Period & Cycle Tracker

Cycle tracking web app with prediction, confidence scoring, and partner mode. Google OAuth, PWA, plus a React Native mobile app via Expo.
[Node.js] [PostgreSQL] [Google OAuth] [React Native]

Fracture — Web Pentesting Suite

Open-source PyQt6 pentesting app: HTTP/HTTPS intercepting proxy, findings tracker with CVSS scoring, recon and payload utility belt.
[Python] [PyQt6] [HTTP/HTTPS Proxy] [CVSS]

AMvpn — WireGuard VPN

Self-hosted WireGuard VPN on Oracle Cloud with full infrastructure control, custom tunneling, and multi-device support from the command line.
[WireGuard] [Oracle Cloud] [Linux] [Networking]

WTFflag

CLI shell command explainer built as a Claude Code hook. Intercepts bash commands pre-execution and explains them from a local SQLite tldr-pages index — no API calls.
[Node.js] [SQLite] [CLI] [Shell Hooks]

TodoLander

Fullstack web app with user authentication and personalized data persistence — private todo lists stored in PostgreSQL.
[Express.js] [PostgreSQL] [Node.js] [Auth]

Somab — Voice AI Workstation

Dedicated ThinkPad AI workstation training custom Piper TTS voices on GPU, running local LLM inference via Ollama.
[Python] [Piper TTS] [Ollama] [AI/ML]

Bumper the Band

Frontend website for my band, designed and built from scratch — developer and client in one.
[HTML] [CSS] [JavaScript]

Raspberry Pi — Personal Security Lab

Self-hosted pentest range: custom Flask vulnerable web apps and SSH privilege-escalation challenges, difficulty-tuned and tracked across 8+ labs.
[Flask] [SSH] [Privilege Escalation] [OWASP Top 10]

EDUCATION

Cybersecurity

Seattle University

In progress — started 2026

Associate of Arts and Sciences

Bellevue College — Running Start Program

Completed 2026 · 3.75 GPA, Honor Roll · Dual-enrollment through Cedarcrest High School

SKILLS

Languages

[JavaScript] [Python] [HTML] [CSS] [SQL]

Security Tools

[nmap] [Burp Suite] [Gobuster] [Metasploit] [John the Ripper] [Wireshark]

Systems & Infra

[Linux (Ubuntu)] [WireGuard] [Docker] [Oracle Cloud] [Self-hosting]

Web & Backend

[Express.js] [PostgreSQL] [Node.js] [REST APIs] [Auth / Sessions]

Dev Tools

[Git] [GitHub] [VS Code] [SQLite] [Postman]

CERTIFICATIONS

ISC² Certified in Cybersecurity (CC)

Course Complete — Exam Pending

All 5 domains complete. Sitting the exam soon.

Cisco — Introduction to Cybersecurity

Completed

Threats, defenses, data protection, incident response.

TryHackMe — Pre-Security Path

Completed

Networking, Linux CLI, web fundamentals, hands-on labs.

CURRENTLY STUDYING

- ISC² CC exam preparation
- TryHackMe SOC Level 1 path
- Network Security (Domain 4 applied)